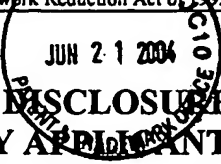


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB number.

Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number		10/678,297	
		Filing Date		October 3, 2003	
		First Named Inventor		Jay S. Bayne	
		Group Art Unit		5629 2125	
		Examiner Name		Not yet assigned Chad Rapp	
Sheet	1	of	5	Attorney Docket Number 030234-9001-00	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue numbers(s), publisher, city and/or country where published.
CR		BAYNE, JAY S.; A Software Architecture for Control of Value Production in Federated Systems; pp. 1-6
CR		BUYA, RAJKUMAR, STOCKINGER, HEINZ, GIDDY, JONATHAN, & ABRAMSON, DAVID; Economic Models for Management of Resources in Peer-to-Peer and Grid Computing; pp. 1-13
CR		MURSHED, MANZUR & BUYA, RAJKUMAR; Using the GridSim Toolkit for Enabling Grid Computing Education; pp. 1-7
CR		SCRUDDER, ROY, LUTZ, ROBERT, & DAHMANN, DR. JUDITH; Automation of the HLA Federation Development and Execution Process; pp. 1-7
CR		MORRISON, DR. JEFFERY G., KAUFMANN, KENNETH, MOORE, RONALD A.; Global 2000 "Knowledge Wall"; pp. 1-2; SPAWAR Systems Center, Department of The Navy Science & Technology; San Diego
CR		JENSEN, E. DOUG; The Distributed Real-Time Specification for Java extends RMI in the Real-Time Specification for Java, to provide support for predictability of end-to-end timeliness of trans-node activities; pp. 1-8; http://web1.jcp.org/en/jsr/detail?id=50&showPrint
CR		ALBUS, JAMES S.; Outline for a Theory of Intelligence; IEEE Transactions on Systems, Man, and Cybernetics, Vol. 21, No. 3, May/June 1991; pp. 473-509
CR		KAMRAD, MIKE, TAFT, TUKCER, BAYNE, DR. JAY, BAILEY, ELSAG, PRATT, KEITH, CLARK, JEFF, WODDRUFF, JOHN, RIZIK, DR. PETE, LEIF, DR. BOB, LEIF, SUZANNE, BARTOW, JULES, VOLZ, DR. RICHARD, & THERIAULT, DR. RON; Summary of ARTEWG Workshop on Distributed Systems; 21-23 April 1995; pp. 1-10; http://www.acm.org/sigada/wg/artewg/dist_workshop_summary.html
CR		DEPARTMENT OF DEFENSE; C ⁴ ISR Architecture Framework Version 2.0; December 18, 1997; pp. 1-240

Examiner Signature	/Chad Rapp/	Date Considered	09/25/2006
--------------------	-------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/678,297		
		Filing Date	October 3, 2003		
		First Named Inventor	Jay S. Bayne		
		Group Art Unit	3623 2125		
Examiner Name	Not yet assigned Chad Rapp				
Sheet	2	of	5	Attorney Docket Number	030234-9001-00

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue numbers(s), publisher, city and/or country where published.
CR		SELIC, BRAN, & RUMBAUGH, JIM; Using UML for Modeling Complex Real-Time Systems; March 11, 1998; pp. 1-22
CR		BAYNE, JAY, WILHELM, ROBERT, SEEM, JOHN, & DREES, KIRK; Session E: Intelligence in Large-scale Industrial Controls; AIRTC '98, Grand Canyon, AZ, October 5-8, 1998; pp. 1-9
CR		DEERING, S., & HINDEN, R.; Internet Protocol, Version 6 (IPv6) Specification; Network Working Group, December 1998; ftp://ftp.isi.edu/in-notes/rfc2460.txt , pp. 1-36
CR		BAYNE, JAY S.; Objects & Transactions in Industrial Control System; 2nd IEEE International Symposium on Object Oriented Real-time Computer Systems, Malo, France, May 3, 1999; pp. 1-20
CR		KANGASLUOMA, MINNA; Policy Specification Language; November 25, 1999; http://www.nixu.fi/~minna/draft2.html ; pp. 1-9
CR		BAYNE, JAY S.; Unleashing the Power of Networks: Pulling Building Control into the Era of Integration; Johnson Controls, Copyright 1999; pp. 1-4
CR		HERRING, CHARLES, & KAPLAN, SIMON; The Viable System Model for Software; Department of Computer Science and Electrical Engineering, University of Queensland; June 2000; pp. 1-9
CR		JENSEN, E. DOUGLAS; Utility Functions: A General Scalable Technology for Software Execution Timeliness as a Quality of Service; Revised July 6, 2000; pp. 1-96
CR		JENSEN, E. DOUGLAS; Utility Functions: A General Scalable Technology for Software Execution Timeliness as a Quality of Service Part 1: Motivation; Revised June 13, 2000; pp. 1-45

Examiner Signature	/Chad Rapp/	Date Considered	09/25/2006
--------------------	-------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/678,297
				Filing Date	October 3, 2003
				First Named Inventor	Jay S. Bayne
				Group Art Unit	3623 2125
Sheet	3	of	5	Examiner Name	Not yet assigned Chad Rapp
				Attorney Docket Number	030234-9001-00

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue numbers(s), publisher, city and/or country where published.
CR		JENSEN, E. DOUGLAS; Utility Functions: A General Scalable Technology for Software Execution Timeliness as a Quality of Service, Part 2: The Time/Utility Function Model; Revised August 5, 2000; pp. 1-82
CR		DEPARTMENT OF DEFENSE; Joint Technical Architecture, Joint Interoperability and Warrior Support; Version 4.0, April 2, 2001; pp. 1-228
CR		DEPARTMENT OF DEFENSE; Technical Reference Model, Joint Interoperability and Warrior Support; Version 2.0, April 9, 2001, pp. 1-114
CR		BAYNE, JAY S.; Automation & Control In Large-Scale Interactive Systems; 5th IEEE International Symposium on Object-oriented Real-time Distributed Computing, April 29 - May 1, 2002, Washington D.C.; pp. 1-10
CR		FOSTER, IAN; The Grid: A New Infrastructure for 21st Century Science; Physics Today, February 2002, pp. 1-9
CR		CLARK, RAY, JENSEN, E. DOUGLAS, WELLS, DOUG, & WELLINGS, ANDY; The Distributed Real-Time Specification for Java, Overview and Status; November 11, 2002; pp. 1-48
CR		FOSTER, IAN, KESSELMAN, CARL, NICK, JEFFERY M., & TUECKE, STEVEN; Grid Services for Distributed System Integration; IEEE Computer, The New Net, June 2002; pp. 37-46
CR		FOSTER, IAN, KESSELMAN, NICK, JEFFREY M. & TUECKE, STEVEN; The Physiology of the Grid An Open Grid Services Architecture for Distributed Systems Integration; http://www.globus.org/research/papers/ogsa.pdf ; Version June 22, 2002; pp. 1-31
CR		BAYNE, JAY S.; The Architecture of Enterprise; www.echelon4.com ; September 21, 2002; pp. 1-4

Examiner Signature	/Chad Rapp/	Date Considered	09/25/2006
--------------------	-------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/678,297
				Filing Date	October 3, 2003
				First Named Inventor	Jay S. Bayne
				Group Art Unit	3623 2125
Examiner Name	Not yet assigned Chad Rapp				
Sheet	4	of	5	Attorney Docket Number	030234-9001-00

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue numbers(s), publisher, city and/or country where published.
CR		WELLINGS, ANDY, CLARK, RAY, JENSEN, DOUG, & WELLS, DOUG; a Framework for Integrating the Real-Time Specification for Java and Java's Remote Method Invocation; www.real-time.org; Revised 2002; pp. 1-10
CR		LOCASTO, MICHAEL, BURNSIDE, MATTHEW, LI, CHUN, & WAHL, ARON; SPCL: Structured Policy Command Language; February 6, 2003; pp. 1-7
CR		BAYNE, JAY S., & PAUL, RAYMOND; Performance Measurement in C2 Systems; 8th International Command & Control Research and Technology Symposium; June 2003; pp. 1-10
CR		TSAI, DR. W.T., & PAUL, DR. RAYMOND A.; Adaptive, Scenario-Based, Object-Oriented Test Frameworks for Testing Embedded Systems; ITEA Journal; June/July 2003; pp. 1-6
CR		MOREAU, JEAN-JACQUES, SCHLIMMER, JEFFREY; Web Services Description Language (WSDL) Version 1.2, Part 3: Bindings; W3C Working Draft June 11, 2003; pp. 1-38
CR		BAYNE, JAY, & PAUL, RAYMOND; Performance Measurement in C2 Systems The FORCEnet Challenge; 8th International Command and Control Research and Technology Symposium On "Information Age Transformation"; Washington D.C., June 17-19, 2003; pp. 1-31
CR		TUECKE, S., CZAJKOWSKI, K., FOSTER, I., FREY, J., GRAHAM, S., KESSELMAN, C., MAQUIRE, T., SANDHOLM, T., SNELLING, D., VANDERBILT, P.; Open Grid Services Infrastructure (OGSI), Version 1.0; June 27, 2003; pp. 1-86; Global Grid Forum; www.ggf.org
CR		OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE NETWORKS AND INFORMATION INTEGRATION (OASD/NII); Unified Command Structure (USC) Operational Concept Description; V13; June 25, 2003; pp. 1-20
CR		BAYNE, JAY S.; A Software Architecture for Control of Value Production in Federated Systems; 7th World Multi-Conference on Systemics, Cybernetics & Informatics SCI 2003; July 2003; pp. 1-6

Examiner Signature	/Chad Rapp/	Date Considered	09/25/2006
--------------------	-------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/678,297
				Filing Date	October 3, 2003
				First Named Inventor	Jay S. Bayne
				Group Art Unit	3623 2125
Sheet	5	of	5	Examiner Name	Not yet assigned Chad Rapp
				Attorney Docket Number	030234-9001-00

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue numbers(s), publisher, city and/or country where published.
CR		BAYNE, JAY S.; Automation and Control in Grid-Connected Federations; ISA EXPO 2003; Houston, TX; pp. 1-15
CR		BAYNE, JAY S.; Architecture of Federated Enterprise; ISA EXPO 2003; Houston, TX; pp. 1-5
CR		LENAHAN, JACK; An Abstract Process and Metrics Model for Evaluating Unified Command and Control A Scenario and Technology Agnostic Approach; Draft Version 2.0; January 16, 2004; pp. 1-65; Space and NVAL Warfare Systems Command, Charleston, S.C.
CR		DEPARTMENT OF DEFENSE; Joint Command and Control Functional Concept; February 2004; pp. 1-101
CR		CHINNICI, ROBERTO, GUDGIN, MARTIN, MOREAU, JEAN-JACQUES, SCHLIMMER, JEFFERY, WEERAWARANA, SANJIVA; Web Services Description Language (WSDL) Version 2.0, Part 1: Core Language; W3C Working Draft March 26, 2004; pp. 1-90
CR		GUDGIN, MARTIN, LEWIS, AMY, SCHLIMMER, JEFFREY; Web Services Description Language (WSDL) Version 2.0, Part 2: Message Exchange Patterns; W3C Working Draft March 26, 2004; pp. 1-10

T:\client\030234\9001\A0844369.1

Examiner Signature	/Chad Rapp/	Date Considered	09/25/2006
--------------------	-------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



USPTO Form 1449B/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/678,297	
			Filing Date	October 3, 2003	
			First Named Inventor	Jay S. Bayne	
			Group Art Unit	3623 2125	
			Examiner Name	Not yet assigned Chad Rapp	
Sheet	1	of	1	Attorney Docket Number	030234-9001-00

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue numbers(s), publisher, city and/or country where published.
CR		BAYNE, JAY S. and PAUL, RAYMOND PhD, "Policy-Based Command & Control, 10th International Command & Control Research & Technology Symposium, McLean, VA, June 13-16, 2005, pp. 1-20, Echelon 4 Corporation, USA.
CR		BAYNE, JAY S. and PAUL, RAYMOND PhD, "Scale-Free Enterprise Command & Control Unified Command Structures," 10th International Command and Control Research and Technology Symposium, June 13-16, 2005, McLean, VA, pp. 1-15, Echelon 4 Corporation, USA.
CR		BAYNE, JAY and PAUL, RAYMOND, "Engineering Model for Enterprise Command and Control," 2004 Command and Control Research & Technology Symposium, March 15, 2004, pp. 1-23, USA.
CR		"Command and Control Joint Integrating Concept Draft Version 0.85," U.S. Department of Defense, June 3, 2005, pp. 1-77, USA.
CR		LENAHAN, JACK, "An Abstract Process and Metrics Model for Evaluating Unified Command and Control - A Scenario and Technology Agnostic Approach," pp. 1-115, USA.

Examiner Signature	/Chad Rapp/	Date Considered	09/25/2006
--------------------	-------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute of form 1449/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/678,297		
		Filing Date	October 3, 2003		
		First Name Inventor	Jay S. Bayne		
		Group Art Unit	3623-2125		
		Examiner Name	Not yet assigned Chad Rapp		
Sheet	1	of	1	Attorney Docket Number	030234-9001-00

U.S. PATENT DOCUMENTS				
Examiner Initials		U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
CR		6,049,774	Roy	4/11/2000
CR		6,115,691	Ulwick	9/5/2000
CR		6,411,936	Sanders	6/25/2002
CR		6,549,893	Lannert et al.	4/15/2003
CR		6,578,005	Lesaint et al.	6/10/2003
CR		20010053993	McLean et al.	12/20/2001
CR		20020065696	Hack et al.	5/30/2002
CR		20020087336	Hale et al.	7/4/2002
CR		20020184067	McLean et al.	12/5/2002
CR		20020188486	Gil et al.	12/12/2002
CR		20030018506	McLean et al.	1/23/2003
CR		20030033179	Katz et al.	2/13/2003
CR		20030046125	Flores	3/6/2003
CR		20030110064	Tu et al.	6/12/2003

T:\client\030234\9001\A0834901.1

Examiner Signature	/Chad Rapp/	Date Considered	09/25/2006
--------------------	-------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer. Patent and Trademark Office, Washington, DC 0231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box Alexandria, VA 22313-1450.